## **ABSTRACT**

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An assembly for felling a segment of a tree trunk in a safe and controlled manner and method of using the same. The assembly comprises a vertical support structure having an elongated base portion, an elongated mast portion connected to the base portion or integrally formed therewith and having at least a portion extending upwardly therefrom, and a horizontal lip extending from the base or integrally formed therewith for contacting engagement with a conventional notch formed in the trunk. The method of felling a tree trunk comprises positioning the tree felling assembly along the trunk, cutting a conventional notch in the trunk below the assembly, the notch having a lower surface, repositioning the assembly along the trunk so that the lip is in contacting engagement with at least a portion of the lower surface, securing the assembly to the trunk below the segment, cutting the segment from the trunk, and lowering the segment from the trunk along a take-away cable operatively engaging the assembly.